

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 99/ 01456	26/05/1999	03/06/1998
Applicant  GENSHAW LIMITED et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.  
 It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**
  - a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
    - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
  - b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
    - contained in the international application in written form.
    - filed together with the international application in computer readable form.
    - furnished subsequently to this Authority in written form.
    - furnished subsequently to this Authority in computer readable form.
    - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
    - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
2.  **Certain claims were found unsearchable** (See Box I).
3.  **Unity of invention is lacking** (see Box II).
4. With regard to the **title**,
  - the text is approved as submitted by the applicant.
  - the text has been established by this Authority to read as follows:
5. With regard to the **abstract**,
  - the text is approved as submitted by the applicant.
  - the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the **drawings** to be published with the abstract is Figure No.
  - as suggested by the applicant.
  - because the applicant failed to suggest a figure.
  - because this figure better characterizes the invention.

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 99/01456

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 E01C13/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 E01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 92 19669 A (BOWERS FRANK) 12 November 1992 (1992-11-12)	1, 2, 4-8, 11, 12, 15, 17-19, 27-34
Y	the whole document	9, 10, 13, 14, 20-26
Y	FR 2 696 485 A (SCREG ROUTES & TRAVAUX) 8 April 1994 (1994-04-08)	9
A	the whole document	1
Y	WO 97 23551 A (DSM NV ;GOERTZ HENRICUS JOHANNES JACOB (NL); HULSKOTTE RICHERDES J) 3 July 1997 (1997-07-03) abstract	10
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	-/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search | Date of mailing of the international search report

1 September 1999

08/09/1999

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
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Authorized officer

Dijkstra, G

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 99/01456

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 216 344 A (PHILIPP KLAUS ULRICH ;HOF MICHAEL (DE)) 1 April 1987 (1987-04-01) the whole document ---	13,14, 20-22 1
Y	US 4 564 310 A (THELEN EDMUND ET AL) 14 January 1986 (1986-01-14) the whole document ---	23-26
A		1
X	GB 2 023 624 A (DUNLOP LTD) 3 January 1980 (1980-01-03)  the whole document ---	1,2,4-8, 11,12, 15, 17-19, 22,27-34
X	AT 318 453 B (SEMPERIT AG) 25 October 1974 (1974-10-25) the whole document -----	1,2,10

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 99/01456

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9219669	A 12-11-1992	AT 143397 T AU 1574292 A DE 69214141 D EP 0582614 A JP 6510307 T		15-10-1996 21-12-1992 31-10-1996 16-02-1994 17-11-1994
FR 2696485	A 08-04-1994	NONE		
WO 9723551	A 03-07-1997	NL 1001978 C CA 2241005 A CA 2241008 A EP 0876421 A EP 0868478 A WO 9723557 A		24-06-1997 03-07-1997 03-07-1997 11-11-1998 07-10-1998 03-07-1997
EP 0216344	A 01-04-1987	DE 3534107 A		02-04-1987
US 4564310	A 14-01-1986	NONE		
GB 2023624	A 03-01-1980	NONE		
AT 318453	B 25-10-1974	NONE		

## PATENT COOPERATION TREATY

PCT 1301

PCT

## NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

PARR, Ronald, Edward  
 R.E. Parr & Co.  
 Colman House  
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 ROYAUME-UNI

Date of mailing (day/month/year) 09 December 1999 (09.12.99)		
Applicant's or agent's file reference		
International application No. PCT/GB99/01456	International filing date (day/month/year) 26 May 1999 (26.05.99)	Priority date (day/month/year) 03 June 1998 (03.06.98)
Applicant GENSHAW LIMITED et al		

## IMPORTANT NOTICE

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
AU,EP,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

CA

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 09 December 1999 (09.12.99) under No. WO 99/63162

## REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

## REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

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R.E. PARR &amp; CO.

20 DEC 1999